

Signal Peptide		Prodomain	
DKUZ	MSSKCAFNIVFVSIIFIIVNGYAKDISGVKRGHERLNEYISHYEITLNYDHEHIRASHNRARRSVTK-DQYVHLK	74	
MKUZ	MVLPTVLILLLSWAAGLGG--QYGNPLNKYIRHYEGLSYNVDSLHQKHQRAKRAVSHEDQFLLD	63	
DKUZ	FASHGRDFHLRLKRD LNTFSNKLDFYDSKGPIDVSDIHYEGEVI GDRNSYVFGSIHNHGVFEGKII TERDAYVVE	149	
MKUZ	FHAHGRQFNLRMKRDTSLFSDEFKVEFSNKVL DYDTSHIYTGHIYGEEGSFSGHVIDGRFEGFIKTRGGTFYIE	138	
DKUZ	HAKHYFPTNRTATTTTPPSTSTSSATTVTKSTQPTRPLAKSNTSTTAVNSKTENFIKKIAESTTTSQQLP EYTES	224	
MKUZ	PAERYIK-----	145	
DKUZ	SSSSSTTTFPPTTEYFEDEKERNAEDELDFHSIYKESHVEDAYENVREGHVAGCGITDEVSQWMENIQNSAVEE	299	
MKUZ	-----DRI LPHFSVIYHEDDINYPHKYGPQGGCAD-----HSVFERMRKYQMTGVEE	192	
Metalloprotease Domain			
DKUZ	LPEMSKDYQKLHRKQLHKKSAPQQQQPPPKKYISGDED FKYPHQKYTKEANFAEGAFYDPSTGRRLLGSSANV	374	
MKUZ	GARAHPEKHAASSGPELRLK-----	213	
DKUZ	ADWHQLVHERVRRATDNGAGDRGSSGGSGRGRDNKNTCSLYIQIDP LIWRHIREGIAHDHGRKYEVDEKIREE	449	
MKUZ	-----R T TLAERNTCQLYIQIDH LFFKY-----G I R E A	242	
DKUZ	ITSLIAHHVTA VNYIYRNITKFDGRTEHRNI RFEVQRIKIDDSACRNSYNGPHNAFCNEHMDVSNFLNLHSLLEDH	524	
MKUZ	VIAQISSHVKAIDTIYQTIDESGI---RNISFMVKRIRINTTSDEKD---PTNPF RFPNIGVEKFL ELNSEQNH	310	
DKUZ	SDFCLAYVFTYRDFITGGTLGLAMVASASGASGGIGCEKYKTYTETVGGQYQSTKRSLNTGIIT FVNYNSRVPPKVS	599	
MKUZ	DDYCLAYVFTDRDEFDDGVLGLAWVGAPSGSSGGICEKSKLYSD-----GKKKSLNTGIITVQNYGSHVPPKVS	378	
Zn ⁺⁺			
DKUZ	QLTLAHEIGHNFGSPHDYPQECRPPGGL-----NGNYIMFAASATSGDRPNNSKFSPCSI RNISNVLDVLVGNTK	667	
MKUZ	HITFAHEVGHNFGSPHDSGT ECTPGESKNLGQKENGNYIMYARATSGDKLNNK FSLCSIRNISQVLE---KKR	449	
Disintegrin Domain			
DKUZ	RDCFKASEGAF CGNKIIVE SGEECD CGFN EEECKDKCCYPR LISEYDQSLNSSA KGC TRRAKTQCSPSQGPPCC LSN	742	
MKUZ	NNCFEVSEGQPI CGNGMVEQGEEDCGYS DQ--CKDDCCF-----DANGP EGGKKCKLKP GKQCSPSQGPCC--TA	514	
XKUZ	-----YSDQ--CKDECCY-----DANGPEN LKCTLKPGKQCSPSQGPCC--TT	39	
Cysteine-rich Domain			
DKUZ	SCTFVPTSYHQKCKEETECSSWSSITCNGTTAECPEPRHRDDKIMCNGNGTALCIRGECSGSPCLLWNMTKFLTSTT	817	
MKUZ	QCAFKSKS--EKCRDDSDCAKEGLCNGFTALC CPASDPKPNFTDCNRHTQVCI NGQCAGSICEKYDLEEC--TCAS	585	
XKUZ	GCTFKRAG--ENCREESDCAKMGT CNGNSAQCP PSEPRENLT E-NRATQVCIKGQCSGSI CERYDLEEC--TCGS	109	
DKUZ	LPHVSKRKLCDLACQD GNDTSTCRSTSEFADKYNIQKGGISLQPGSSPCDNFQGYCDVFLKCR AVDADGPLLRLKN	892	
MKUZ	SDGKDNKELCHVCCMKMAPSTCASTGSLQMSKQFSGRITITLQPGSSPCNDFFRGYCDVFMRCRLVDADGPLARLKK	660	
XKUZ	TDEKDDKELCHVCCMEKMI PHTCASTGSEVWKAYFKGKIITLQPGSPCNEFK	161	
Transmembrane domain			
DKUZ	LLLNKRTLQTVAEWIVDNMYYLVVLMGVAFITVVMGSFTKCCGAVHTIPSSNPKKRRARRRISETLRAPMNTLRRMQRHP	967	
MKUZ	AIFSPQLYENIAEWIVAHWAVLLMGIALI MLMAGFIKICSVHTIPSSNPKLPPPKPLPGTLK-----RRRP	727	
DKUZ	NQRGAGPRISIPPPAHEAQHYSRGGDGRGGGGGGGRHGGSRSHHQQHPHDWRHQGGHSIVPLPTGGSHSRNSA	1042	
MKUZ	QPIQQPPRRQRPPRESYQMGHMR	749	
DKUZ	ANQARRSDGRGPRSTSSGRPQAIASGSGAASGAARSHGGYGAEQAIPGSI GGGVQA AISSGGVVARAQLPLPLPP	1117	
DKUZ	PNGQQMQQQQLQLQQAIPAI SPQQPQA FYTPKELPPRNKSRSSRTNNTSNTTTTNSSTAAGSGSVSGPGSG	1192	
DKUZ	AGSSSKSKSGKSAKAKDSKSQSQSQANNSRSSSKEKGVPVRRNIVY	1239	

FIGURE 1A

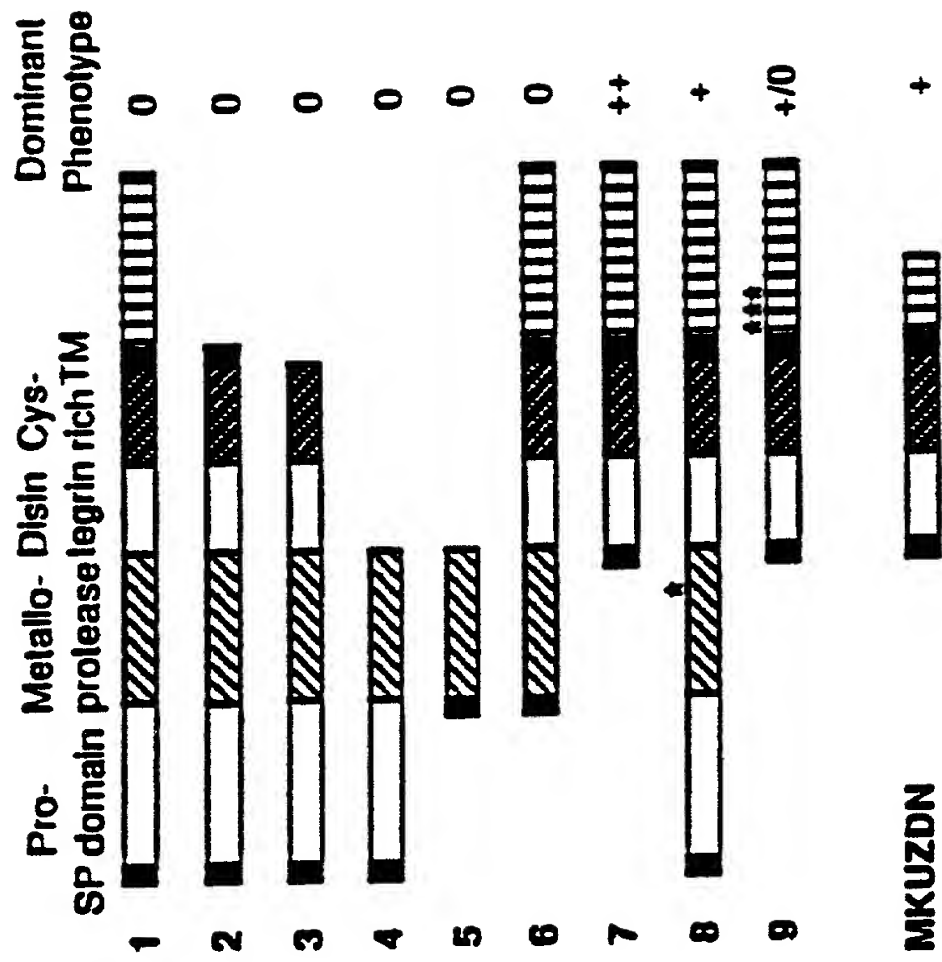


FIGURE 1 B

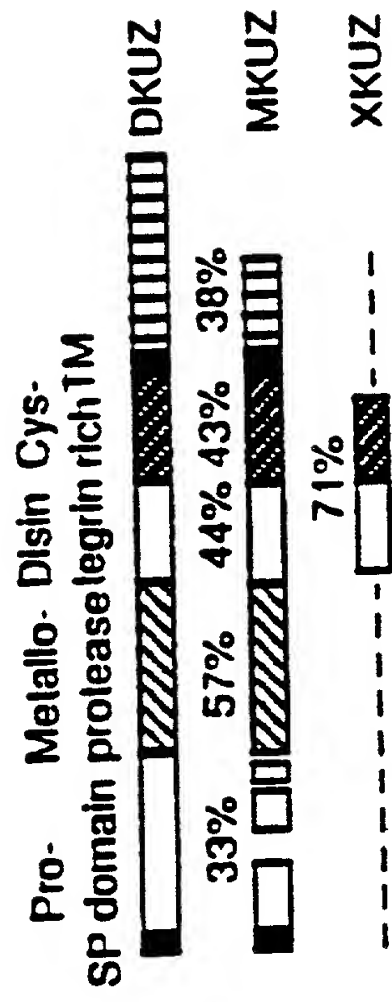


FIGURE 1 C

The diagram shows a horizontal crack line. A vertical line, labeled 'NOTCH', intersects it. A jagged line representing a crack path starts from the left, goes up and over the notch, and then continues to the right. The path is labeled 'KUZ' with an arrow pointing right, and 'DELTA' with an arrow pointing right. The jagged line is labeled 'DELTA' at its end.

FIGURE 2